

FIG. 1

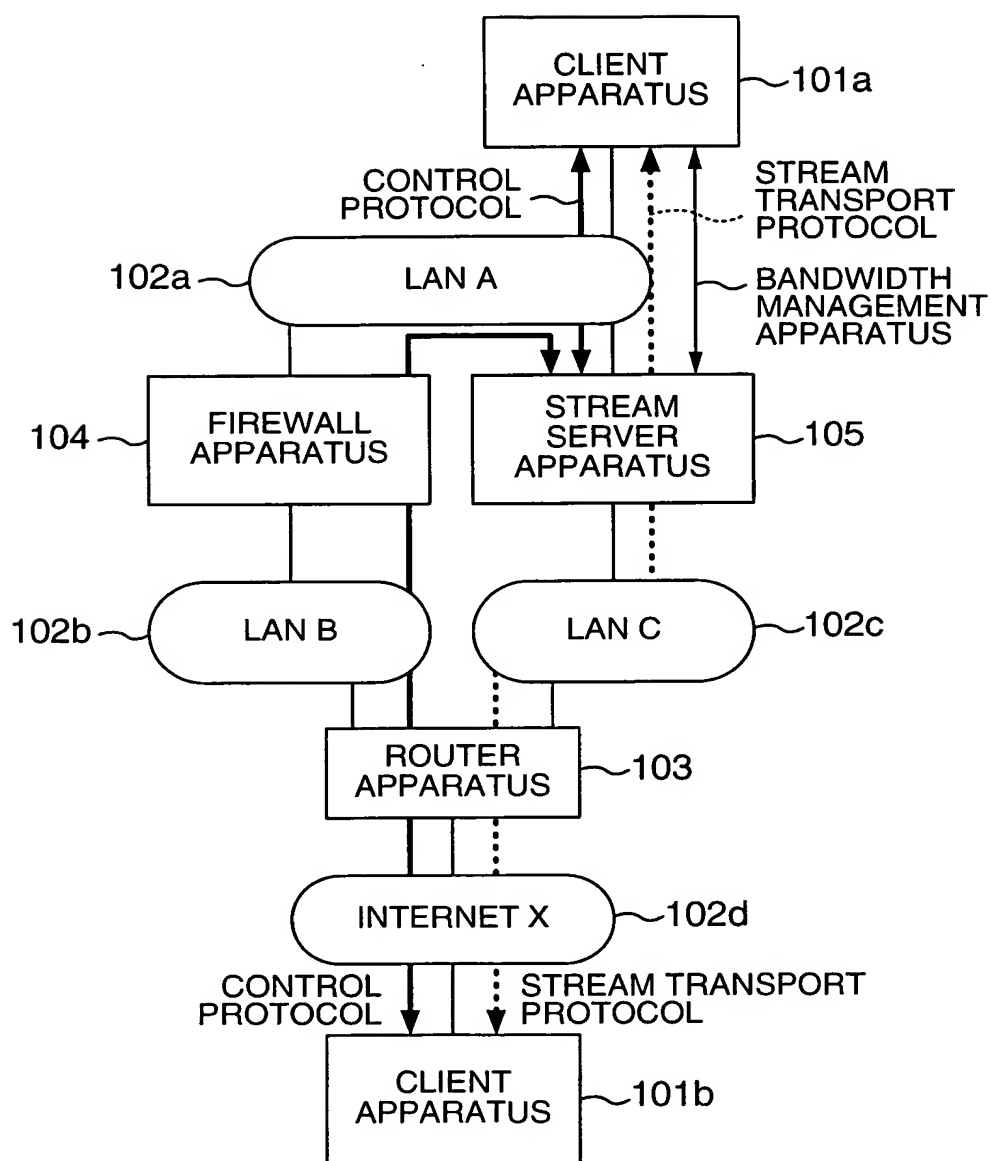


FIG. 2A

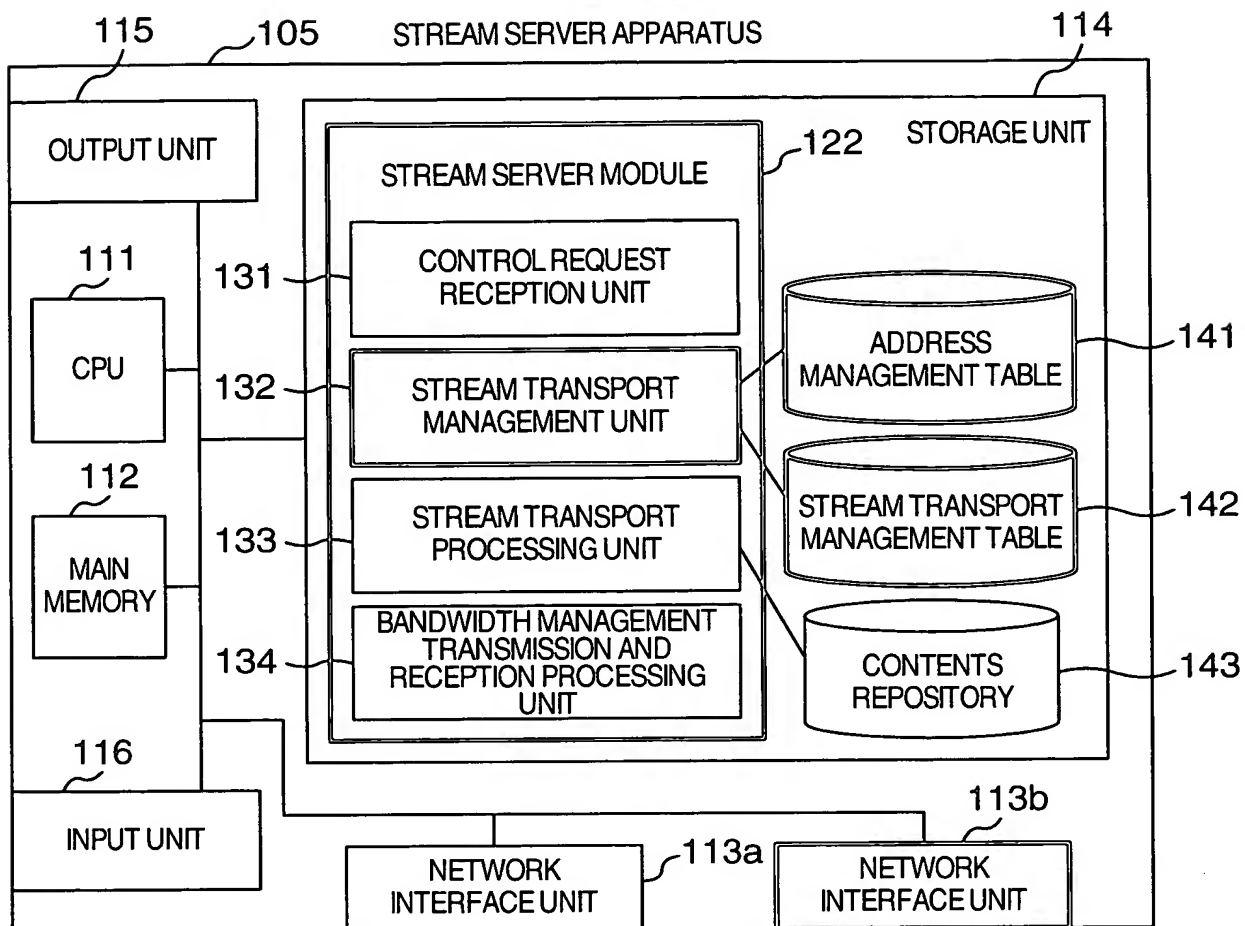


FIG. 2B

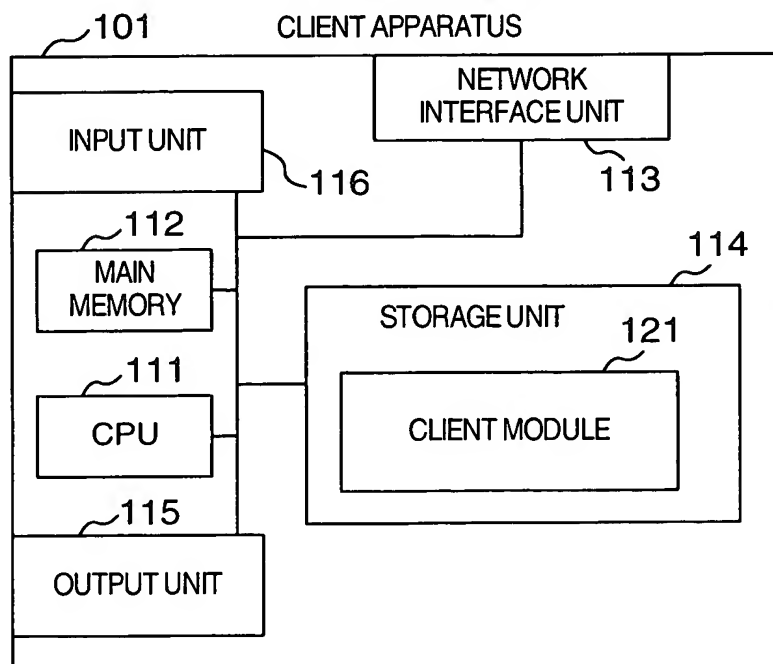


FIG. 3A

ADDRESS MANAGEMENT TABLE

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CLIENT NETWORK	PROTOCOL	PROCESSING UNIT	SETUP ADDRESS	REAL ADDRESS
NETWORK A	STREAM DATA DISTRIBUTION	STREAM DATA DISTRIBUTION	A.10	A.10
	BANDWIDTH MANAGEMENT	BANDWIDTH MANAGEMENT TRANSMISSION AND RECEPTION		A.10
INTERNET X	STREAM DATA DISTRIBUTION	STREAM DATA DISTRIBUTION	X.210	C.10
	BANDWIDTH MANAGEMENT	—		—

FIG. 3B

STREAM TRANSPORT MANAGEMENT TABLE

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CONTROL SESSION ID	STREAM TRANSPORT SESSION ID	STREAM DATA PROCESSING UNIT
12345	1	STREAM DATA DISTRIBUTION / BANDWIDTH MANAGEMENT
12346	2	TRANSMISSION RECEPTION

FIG. 4A

ROUTE SETTING INFORMATION OF FIREWALL

TRANSPORT INFORMATION	
TRANSPORT PACKET TYPE	PROCESS
CONNECTION TO TCP PORT 100 OTHERS	PASS REJECT

ROUTING INFORMATION		
DIRECTION	DESTINATION	PROCESS
OUT	NETWORK X	TRANSFER TO ROUTER
IN	NETWORK A	PASS
IN	OTHER NETWORKS	REJECT

FIG. 4B

ROUTE SETTING INFORMATION OF ROUTER

ADDRESS TRANSLATION INFORMATION		
LOCAL IP ADDRESS	DIRECTION	GLOBAL IP ADDRESS
A. 10	<->	X. 110
C. 10	<->	X. 210

ROUTING INFORMATION		
DIRECTION	DESTINATION	PROCESS
OUT	NETWORK X	TRANSMIT TO INTERNET X
IN	NETWORK A	TRANSFER TO FIREWALL
IN	OTHER NETWORKS	REJECT

FIG. 5

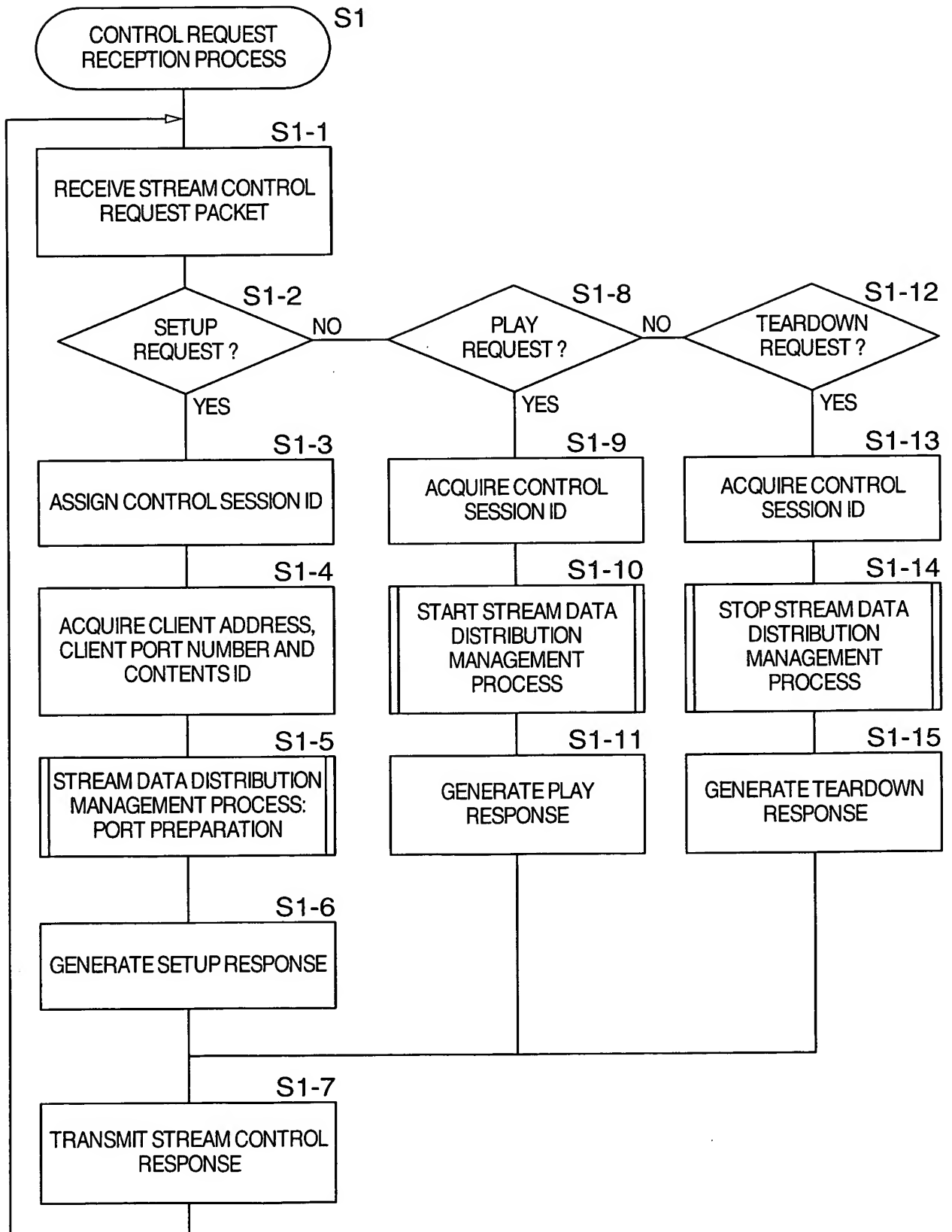


FIG. 6

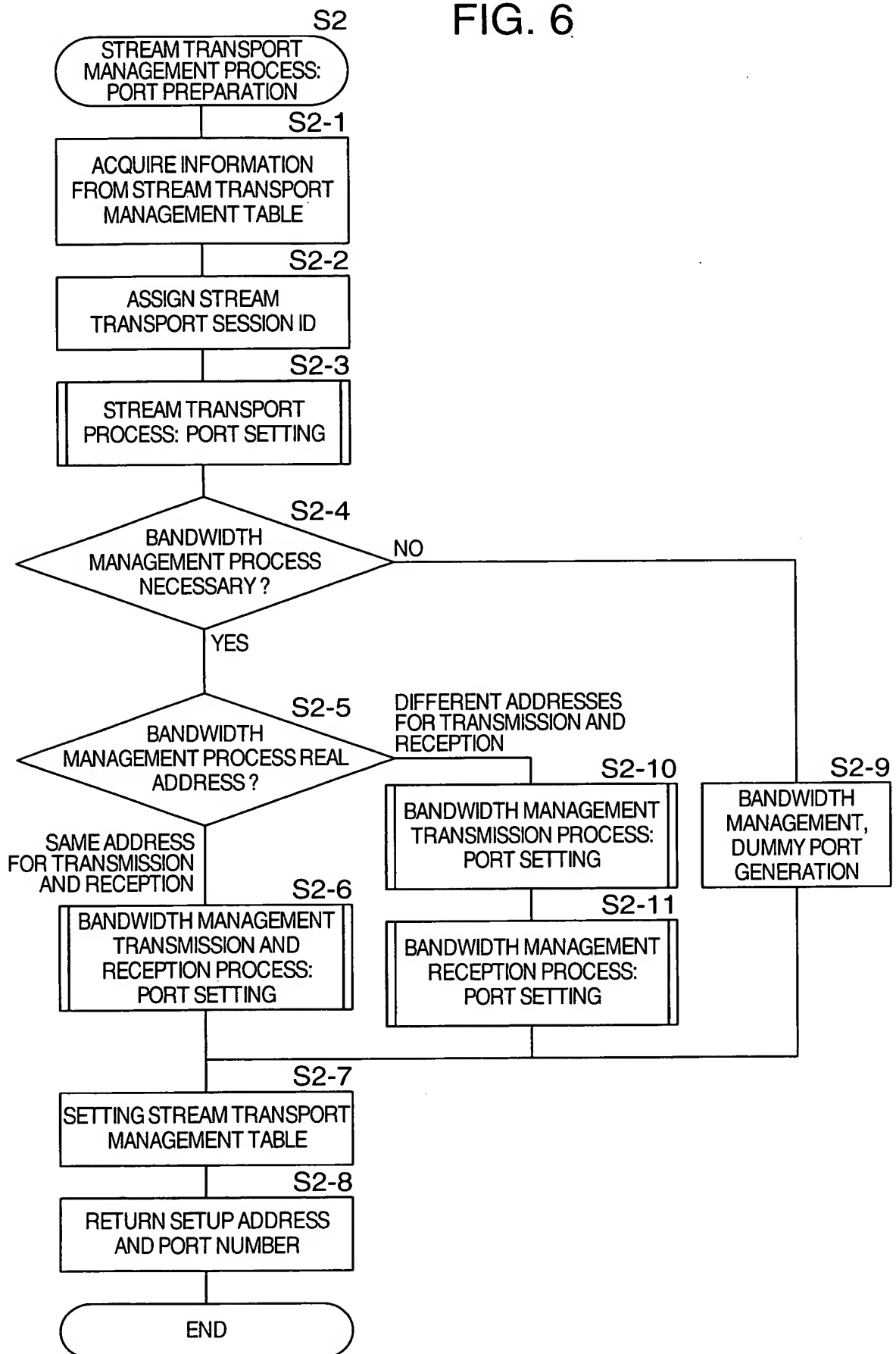


FIG. 7

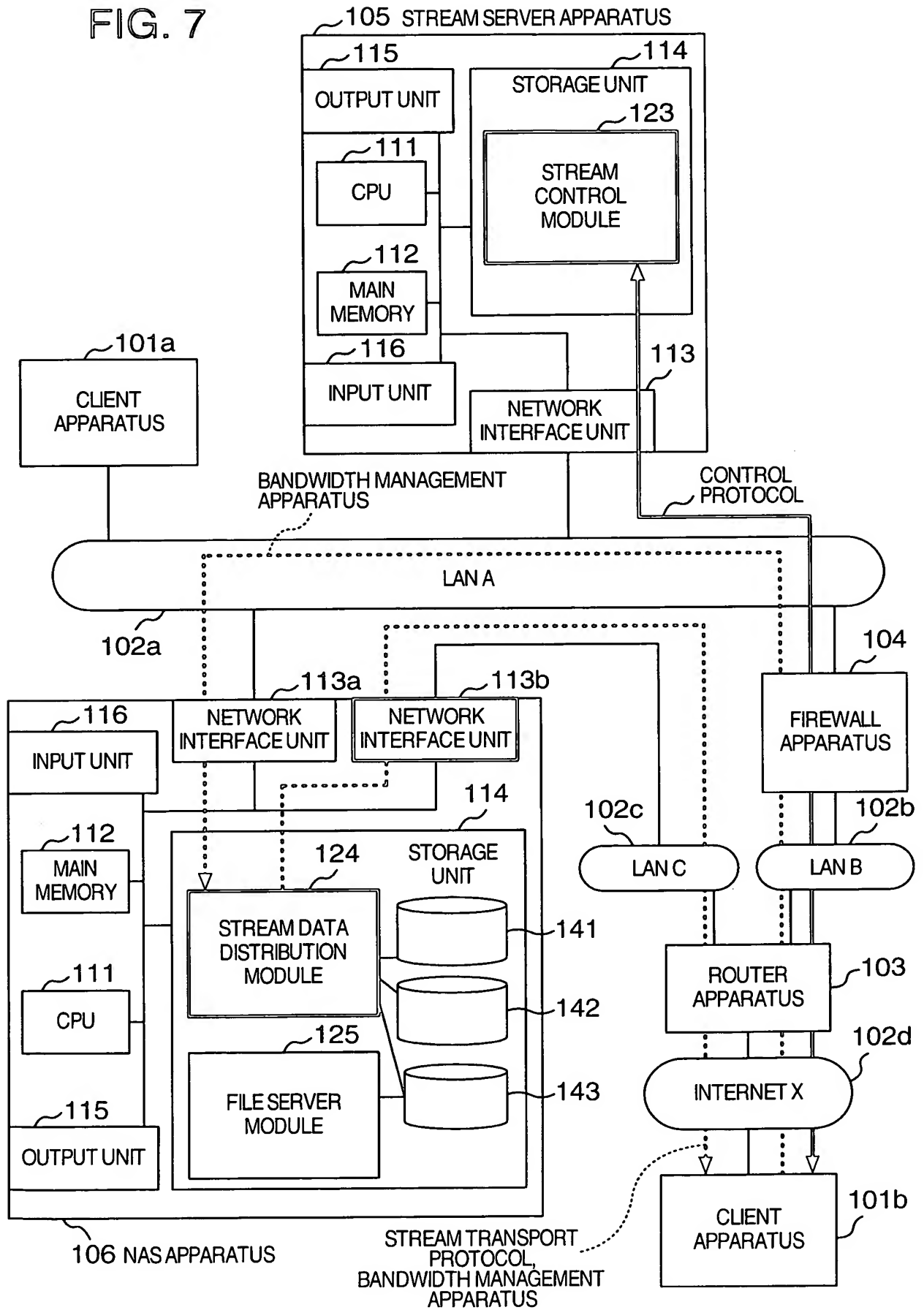


FIG. 8A

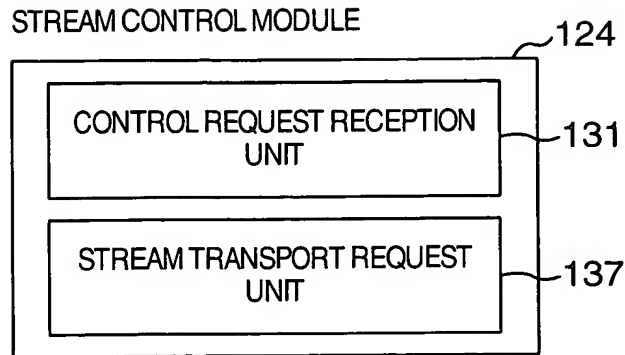


FIG. 8B

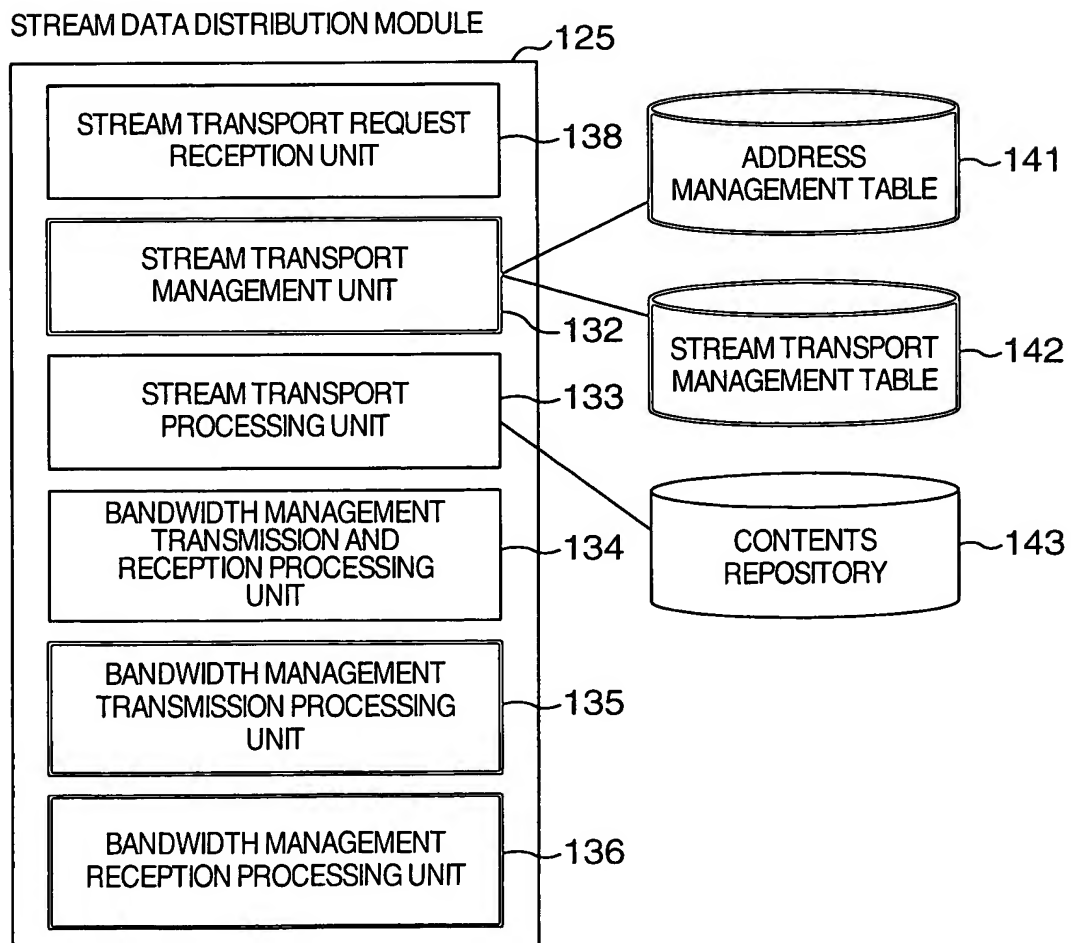


FIG. 9

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CLIENT NETWORK	PROTOCOL	PROCESSING UNIT	SETUP ADDRESS	REAL ADDRESS	SETUP PORT	REAL PORT
NETWORK A	STREAM DATA DISTRIBUTION	STREAM DATA DISTRIBUTION	A.20	A.20	REAL PORT	DYNAMIC
	BANDWIDTH MANAGEMENT	BANDWIDTH MANAGEMENT TRANSMISSION AND RECEPTION		A.20	REAL PORT	DYNAMIC
INTERNET X	STREAM DATA DISTRIBUTION	STREAM DATA DISTRIBUTION	X.210	C.20	REAL PORT	DYNAMIC
	BANDWIDTH MANAGEMENT	BANDWIDTH MANAGEMENT TRANSMISSION		C.20	TRANSMISSION UNIT REAL PORT	DYNAMIC RANGE a-b
		BANDWIDTH MANAGEMENT RECEPTION		A.20		STATIC 500

FIG. 10A

ROUTE SETTING INFORMATION OF FIREWALL

TRANSPORT INFORMATION	
TRANSPORT PACKET TYPE	PROCESS
CONNECTION TO TCP PORT 100	PASS
IN PACKET TO UDP PORT 500	PASS
OTHERS	REJECT

FIG. 10B

ROUTE SETTING INFORMATION OF ROUTER

ADDRESS TRANSLATION INFORMATION		
LOCAL IP ADDRESS	DIRECTION	GLOBAL IP ADDRESS
A. 10	<->	X. 110
C. 20	->	X. 210
UDP A. 20 : 500	<-	UDP X. 210 : a-b